



RG TMRND GEN1.0_Product Specifications



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RG TMRND GEN1.0

Product Specifications

Introduction

The AP699E8N3.7U31K-5 is a wireless area network (WLAN) access point (AP). It provides high access to the Internet, downstream up to 300 Mbps and upstream up to 300 Mbps. Utilizing 802.11 b/g/n wireless technology, the computers and devices with WiFi functionality can wirelessly connect to the AP699E8N3.7U31K-5 and share high speed Internet connection. The AP699E8N3.7U31K-5 supports DHCP client and DHCP server. It also supports NAT and NAPT functions. As a DHCP client, it can dynamically obtain external Internet IP address. As a DHCP server, it can dynamically assign local IP address to the associated wireless stations and wired LAN port. NAT and NAPT functions implement local IP address and external IP address conversion.

The AP699E8N3.7U31K-5 is an ideal wireless broadband solution for both home users who wish to share high-speed wireless Internet access and small offices which wish to do business on the Internet.

Application

- Home and SoHo wireless gateway
- Small enterprise
- TV over IP (IPTV)
- Voice over IP (VoIP)
- Higher data rate broadband sharing
- Broadband Internet access sharing
- Audio and video streaming and transfer
- PC file and application sharing
- Network and online gaming



Parameter and Specification

Parameter	Specification
System Spec	
Chipset	RT 3052
SDRAM	32 MB
Serial Flash	4 MB
Feature and Technology Spec	
Protocol	<ul style="list-style-type: none"> ● IEEE 802.11b ● IEEE 802.11g ● IEEE 802.11n ● RFC768 User Datagram Protocol (UDP) ● RFC791 Internet Protocol (IP) ● RFC792 Internet Control Message Protocol (ICMP) ● RFC793 Transmission Control Protocol (TCP) ● RFC826 Address Resolution Protocol (ARP) ● RFC2516 PPP over Ethernet (PPPoE) ● RFC2131 Dynamic Host Configuration Protocol (DHCP) ● Support ALG
System Support	Windows 98SE, Windows 2000, Windows ME, Windows XP 32/64 bit and Windows Vista 32/64bit
Modulation Schemes	Support 256/64/16/8-QAM, QPSK, BPSK, MCS0 ~ MCS15
Encryption	4/128 bit, WEP, 802.1x, WPA, and WPA2 wireless encryption
QoS	Support Differentiate Services
SNMPv2 or v3	Support
Ethernet Interfaces	4 x RJ45 for 10/100 LAN Ethernet Port 1 x RJ45 for 10/100 WAN Ethernet Port
LEDs	<ul style="list-style-type: none"> ● Power ● WLAN ● WPS ● WAN ● LAN 1~4 ● USB2.0
Consumption	4W
USB	USB2.0*1
Environment Requirement	
Operating Temperature	0°C~45°C
Storage Temperature	-20°C~70°C
Operating Humidity	10%~90%, non-condensing

Parameter

Specification

Storage Humidity 5%~90%, non-condensing

- Input power: 100-240VAC, 50/60Hz
- Output power: 12VDC/500mA

EMC and Safety

- FCC Part 15 Class B
- CE

Safety Regulations UL

Green Standard RoHS

Physical Dimension

Physical Characteristics L x W x H: 240 mm x 195 mm x 105 mm

Weight 200g



FCC Notice:

1 This device must not be co-located or operating in conjunction with any other antenna or transmitter

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Federal Communications Commission (FCC) Requirements, Part 15

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

2 Regulatory information / Disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the

equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government

CAUTION: To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna. Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.

MPE Statement (Safety Information)

Your device contains a low power transmitter. When device is transmitted it sends out Radio Frequency (RF) signal.



3 Safety Information

In order to maintain compliance with the FCC RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use only with supplied antenna. Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.

